Good Afternoon \_\_\_\_\_\_,

Our names our Avani Patel, Phil Bagley, and Kamile Berenyte and we are students from the Bartlett High School Academy of Science, Engineering & High Technology, Illinois School District U-46. As juniors, we are enrolled in an Engineering Design and Devlopment class where we actively participate in researching, designing and are working on building a prototype device based on our problem statement. The purpose of this project is to let us experience the engineering world, and be prepared for it. We have received your contact information from the web, and we are asking for your help and/or sponsorship of our team. We hope that we have contacted the correct person, but if not please send it to an appropriate expert . Please take a look at our problem statement below to clarify the problem we are working on. We have identified you as a possible contact of relevance that could provide us with valuable information and feedback. If you have any comments or concerns regarding this message please email us at avani0811@yahoo.com or call us at (224) 659-6384. Thank you for your time and effort.

Regards, Team Sticky Stituation

PROBLEM STATEMENT: Women’s shoes that have flat, smooth bottoms do not provide any resistance to sticky gum. In 1871, the gum production escalated with the patent of a gum manufacture machine; today, over 374 billion sticks of gum are made yearly, and when not disposed of properly, gum becomes a sticky situtation. Women in urban areas have agreed that they hate it when there is gum stuck on their shoes as evidenced by the amount of responses to the online search “I hate it when gum is stuck on my shoe.” Although there are many answers on how to effectively remove the gum from your shoes, there are no solutions on how to keep the gum from sticking to the shoe in the first place.